

Ag. Waste Application and Excavated Ponds  
Meade County, South Dakota,  
Southern Part

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation.)

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
AlA: Altvan-----	90	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
AlB: Altvan-----	90	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
AnB: Arvada-----	90	Very limited Restricted permeability Sodium content Runoff limitation	1.00 1.00 0.40	Very limited Deep to water	1.00
ArB: Arvada-----	55	Very limited Restricted permeability Sodium content Runoff limitation	1.00 1.00 0.40	Very limited Deep to water	1.00
Slickspots, Dry----	30	Not rated		Not rated	
AsB: Assinniboine-----	85	Not limited		Very limited Deep to water	1.00
Ba: Bankard-----	85	Very limited Flooding Filtering capacity Leaching limitation Droughty	1.00 1.00 0.45 0.08	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Meade County, South Dakota,  
Southern Part

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
B1D: Blackpipe-----	80	Somewhat limited Depth to bedrock Restricted permeability Droughty	0.42 0.30 0.12	Very limited Deep to water	1.00
BsD: Blackpipe-----	50	Somewhat limited Depth to bedrock Restricted permeability Droughty	0.42 0.30 0.12	Very limited Deep to water	1.00
Shingle-----	30	Very limited Depth to bedrock Droughty Runoff limitation Slope	1.00 1.00 0.40 0.37	Very limited Deep to water	1.00
CaE: Cabbart-----	85	Very limited Slope Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
CbD: Canyon-----	50	Very limited Depth to bedrock Droughty Runoff limitation Slope Low adsorption	1.00 1.00 0.40 0.37 0.01	Very limited Deep to water	1.00
Bridget-----	30	Not limited		Very limited Deep to water	1.00
CdE: Canyon-----	50	Very limited Slope Depth to bedrock Droughty Runoff limitation Low adsorption	1.00 1.00 1.00 0.40 0.01	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
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Southern Part

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Butche-----	25	Very limited Slope Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
CtE: Citadel-----	70	Very limited Slope Restricted permeability Too acid	1.00 0.89 0.02	Very limited Deep to water	1.00
DaD: Delridge-----	85	Somewhat limited Depth to bedrock Slope Droughty	0.42 0.37 0.01	Very limited Deep to water	1.00
EaD: Enning-----	50	Very limited Depth to bedrock Droughty Slope Runoff limitation	1.00 1.00 0.84 0.40	Very limited Deep to water	1.00
Manvel-----	40	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
EbE: Enning-----	65	Very limited Slope Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
Rock Outcrop, Soft--	25	Not rated		Not rated	
Ga: Glenberg-----	90	Not limited		Very limited Deep to water	1.00

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Southern Part

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		Rating class and limiting features	Value	Rating class and limiting features	Value
GbD: Grummit-----	90	Very limited Depth to bedrock Droughty Too acid Runoff limitation Slope	1.00 1.00 0.78 0.40 0.37	Very limited Deep to water	1.00
GcE: Grummit-----	50	Very limited Slope Depth to bedrock Droughty Too acid Runoff limitation	1.00 1.00 1.00 0.78 0.40	Very limited Deep to water	1.00
Rock Outcrop, Acid--	30	Not rated		Not rated	
HbB: Hisle-----	60	Very limited Sodium content Droughty Depth to bedrock Runoff limitation Salinity	1.00 1.00 0.42 0.40 0.35	Very limited Deep to water	1.00
Slickspots, Dry-----	30	Not rated		Not rated	
Ho: Hoven-----	90	Very limited Restricted permeability Depth to saturated zone Ponding Sodium content Salinity	1.00 1.00 1.00 1.00 0.50	Somewhat limited Salty water Slow refill Cutbanks cave	0.50 0.30 0.10
KaA: Keith-----	90	Not limited		Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
KaB: Keith-----	90	Not limited		Very limited Deep to water	1.00
KbA: Kyle-----	90	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.32	Very limited Deep to water	1.00
KbB: Kyle-----	90	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.32	Very limited Deep to water	1.00
KcB: Kyle-----	90	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.32	Very limited Deep to water	1.00
LaD: Lakoa-----	50	Very limited Slope Too acid	1.00 0.02	Very limited Deep to water	1.00
Maitland-----	30	Very limited Slope Too acid	1.00 0.11	Very limited Deep to water	1.00
LbE: Lismas-----	80	Very limited Slope Restricted permeability Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 1.00 0.40	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
LcD: Lismas-----	50	Very limited Restricted permeability Depth to bedrock Droughty Runoff limitation Slope	1.00 1.00 1.00 0.40 0.37	Very limited Deep to water	1.00
Winler-----	30	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Slope	1.00 1.00 0.42 0.40 0.37	Very limited Deep to water	1.00
Le: Lohmiller-----	85	Somewhat limited Restricted permeability Salinity	0.89 0.01	Very limited Deep to water	1.00
Lh: Glenberg-----	40	Somewhat limited Flooding	0.60	Very limited Deep to water	1.00
Lohmiller-----	40	Somewhat limited Restricted permeability Flooding	0.89 0.60	Very limited Deep to water	1.00
Ma: Macken-----	90	Very limited Restricted permeability Depth to saturated zone Ponding Runoff limitation	1.00 1.00 1.00 0.40	Very limited Slow refill Cutbanks cave	1.00 0.10
MbB: Manvel-----	85	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
McB: Marshbrook-----	50	Very limited Depth to saturated zone Flooding Runoff limitation Restricted permeability	1.00  0.60 0.40 0.30	Somewhat limited Cutbanks cave	0.10
Cordeston-----	40	Not limited		Very limited Deep to water	1.00
MdD: Midway-----	50	Very limited Restricted permeability Depth to bedrock Droughty Slope Sodium content	1.00  1.00 1.00 1.00 0.50	Very limited Deep to water	1.00
Blackpipe-----	30	Somewhat limited Slope Depth to bedrock Restricted permeability Droughty	0.63 0.42 0.30 0.12	Very limited Deep to water	1.00
NaD: Nevee-----	60	Somewhat limited Slope	0.63	Very limited Deep to water	1.00
Spearfish-----	25	Very limited Depth to bedrock Droughty Runoff limitation Slope	1.00 1.00 0.40 0.37	Very limited Deep to water	1.00
NbE: Nihill-----	75	Very limited Slope Droughty	1.00 0.13	Very limited Deep to water	1.00
NcA: Nunn-----	90	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00

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Southern Part

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		Rating class and limiting features	Value	Rating class and limiting features	Value
NcB: Nunn-----	90	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
NcC: Nunn-----	85	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
OaA: Onita-----	85	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
PaE: Paunsaugunt-----	45	Very limited Slope Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
Rock Outcrop, Sandy-	30	Not rated		Not rated	
PbB: Pierre-----	90	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content	1.00 1.00 0.42 0.40 0.18	Very limited Deep to water	1.00
PbC: Pierre-----	85	Very limited Restricted permeability Droughty Slope Depth to bedrock Runoff limitation	1.00 1.00 0.63 0.42 0.40	Very limited Deep to water	1.00



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		Rating class and limiting features	Value	Rating class and limiting features	Value
SaE: Samsil-----	75	Very limited Slope 1.00 Restricted permeability 1.00 Depth to bedrock 1.00 Droughty 1.00 Runoff limitation 0.40		Very limited Deep to water	1.00
SbD: Samsil-----	45	Very limited Restricted permeability 1.00 Depth to bedrock 1.00 Droughty 1.00 Runoff limitation 0.40 Slope 0.37		Very limited Deep to water	1.00
Pierre-----	30	Very limited Restricted permeability 1.00 Droughty 1.00 Depth to bedrock 0.42 Runoff limitation 0.40 Slope 0.37		Very limited Deep to water	1.00
ScE: Samsil-----	50	Very limited Slope 1.00 Restricted permeability 1.00 Depth to bedrock 1.00 Droughty 1.00 Runoff limitation 0.40		Very limited Deep to water	1.00
Rock Outcrop, Soft--	30	Not rated		Not rated	
SdA: Satanta-----	90	Not limited		Very limited Deep to water	1.00
SdB: Satanta-----	85	Not limited		Very limited Deep to water	1.00

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Southern Part

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SdC: Satanta-----	80	Not limited		Very limited Deep to water	1.00
SeA: Satanta-----	55	Not limited		Very limited Deep to water	1.00
Beckton-----	30	Very limited Restricted permeability Salinity Sodium content Runoff limitation	1.00 0.50 0.50 0.40	Very limited Deep to water	1.00
ShA: Savo-----	85	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
SkB: Blackpipe-----	40	Somewhat limited Depth to bedrock Restricted permeability Droughty	0.42 0.30 0.12	Very limited Deep to water	1.00
Savo-----	40	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
SlE: Spearfish-----	55	Very limited Slope Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
Rock Outcrop, Sandstone-----	20	Not rated		Not rated	
So: St. Onge-----	80	Somewhat limited Flooding	0.60	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
St: Stetter-----	80	Very limited Restricted permeability Flooding Runoff limitation	1.00  0.60 0.40	Very limited Deep to water	1.00
SwB: Swanboy-----	80	Very limited Restricted permeability Runoff limitation Salinity Droughty	1.00  0.40 0.35 0.05	Very limited Deep to water	1.00
SyB: Swanboy-----	55	Very limited Restricted permeability Runoff limitation Salinity Droughty	1.00  0.40 0.35 0.05	Very limited Deep to water	1.00
Slickspots, Dry-----	35	Not rated		Not rated	
TaA: Tilford-----	85	Not limited		Very limited Deep to water	1.00
TaB: Tilford-----	80	Not limited		Very limited Deep to water	1.00
VaE: Vanocker-----	40	Very limited Slope Large stones on the surface	1.00 0.18	Very limited Deep to water	1.00
Citadel-----	35	Very limited Slope Restricted permeability Too acid	1.00 0.89 0.02	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
w: Water (less Than 40 Acres)-----	100	Not rated		Not rated	
Wa: Winetti-----	80	Somewhat limited Droughty	0.77	Very limited Deep to water	1.00
WbC: Winler-----	80	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.42 0.40	Very limited Deep to water	1.00
WcB: Winler-----	55	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation	1.00 1.00 0.42 0.40	Very limited Deep to water	1.00
Swanboy-----	35	Very limited Restricted permeability Runoff limitation Salinity Droughty	1.00 0.40 0.35 0.05	Very limited Deep to water	1.00
ww: Water (greater Than 40 Acres)-----	100	Not rated		Not rated	
ZaD: Zigweid-----	50	Somewhat limited Slope	0.37	Very limited Deep to water	1.00
Nihill-----	25	Somewhat limited Slope Droughty	0.37 0.13	Very limited Deep to water	1.00

